

ABSTRACT

Voltage converter (SCW) for converting a primary/secondary voltage (U_P/U_S) into
5 a secondary/primary voltage (U_S/U_P), comprising at least one controlled switch (S_P, S_S),
wherein a control circuit (AST) controls, according to its supplied set points, the at least
one controlled switch (S_P, S_S) with a variable pulse duty factor and/or variable control
times and/or variable frequency, characterized in that a digital signal processor (DSP) for
the running calculation of the set points is provided for the control circuit (AST) and the
10 voltage converter (SCW) comprises a (bus) interface (BSS), via which operating
parameters (ppm) can be transmitted to the digital signal processor (DSP) and can be
preset from an external control center (ELS).

Fig. 1

15